

# INTERNATIONAL SEARCH REPORT

International Application No.

PC/EP 03/10004

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 E21B43/08 E21B43/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | WO 00 45031 A (SCHLUMBERGER TECHNOLOGY CORP) 3 August 2000 (2000-08-03)<br>page 7, line 21 - line 30; figure 14     | 1-10, 12, 15, 16      |
| X          | US 2002/020527 A1 (KVERNHEIM ARNE LUND ET AL) 21 February 2002 (2002-02-21)<br>column 6, line 5 - line 16; figure 8 | 1-10, 12, 14, 16      |
| X          | US 4 936 386 A (COLANGELO ROBERT V) 26 June 1990 (1990-06-26)<br>column 11, line 11 - line 25; figure 10            | 1-4                   |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \* & \* document member of the same patent family

Date of the actual completion of the international search

25 February 2004

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02/03/2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/10004

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s)   | Publication<br>date  |
|---|----|---------------------|--|--|
| WO 0045031                                | A  | 03-08-2000          | AU 3219000 A<br>WO 0045031 A1<br>US 2002066561 A1  | 18-08-2000<br>03-08-2000<br>06-06-2002   |
| US 2002020527                             | A1 | 21-02-2002          | NO 20011569 A<br>AU 9441201 A<br>BR 0112621 A<br>CA 2416645 A1<br>EP 1301686 A2<br>WO 0208562 A2 | 22-01-2002<br>05-02-2002<br>10-06-2003<br>31-01-2002<br>16-04-2003<br>31-01-2002 |
| US 4936386                                | A  | 26-06-1990          | US 4919989 A   | 24-04-1990   |